

## F i g . 1

```

      9      18      27      36      45      54
5'  ATG GAA ATT ATT TCA TCA AAA CTA TTC ATT TTA TTG ACT TTA GCC ACT TCA AGC
    ---
    Met Glu Ile Ile Ser Ser Lys Leu Phe Ile Leu Leu Thr Leu Ala Thr Ser Ser

      63      72      81      90      99      108
    TTG TTA ACA TCA AAC ATT TTT TGT GCA GAT GAA TTA GTG ATG TCC AAT CTT CAC
    ---
    Leu Leu Thr Ser Asn Ile Phe Cys Ala Asp Glu Leu Val Met Ser Asn Leu His

      117      126      135      144      153      162
    AGC AAA GAA AAT TAT GAC AAA TAT TCT GAG CCT AGA GGA TAC CCA AAA GGG GAA
    ---
    Ser Lys Glu Asn Tyr Asp Lys Tyr Ser Glu Pro Arg Gly Tyr Pro Lys Gly Glu

      171      180      189      198      207      216
    AGA AGC CTC AAT TTT GAG GAA TTA AAA GAT TGG GGA CCA AAA AAT GTT ATT AAG
    ---
    Arg Ser Leu Asn Phe Glu Glu Leu Lys Asp Trp Gly Pro Lys Asn Val Ile Lys

      225      234      243      252      261      270
    ATG AGT ACA CCT GCA GTC AAT AAA ATG CCA CAC TCC TTC GCC AAC TTG CCA TTG
    ---
    Met Ser Thr Pro Ala Val Asn Lys Met Pro His Ser Phe Ala Asn Leu Pro Leu

      279      288      297      306      315      324
    AGA TTT GGG AGG AAC GTT CAA GAA GAA AGA AGT GCT GGA GCA ACA GCC AAC CTG
    ---
    Arg Phe Gly Arg Asn Val Gln Glu Glu Arg Ser Ala Gly Ala Thr Ala Asn Leu

      333      342      351      360      369      378
    CCT CTG AGA TCT GGA AGA AAT ATG GAG GTG AGC CTC GTG AGA CGT GTT CCT AAC
    ---
    Pro Leu Arg Ser Gly Arg Asn Met Glu Val Ser Leu Val Arg Arg Val Pro Asn

      387      396      405      414      423      432
    CTG CCC CAA AGG TTT GGG AGA ACA ACA ACA GCC AAA AGT GTC TGC AGG ATG CTG
    ---
    Leu Pro Gln Arg Phe Gly Arg Thr Thr Thr Ala Lys Ser Val Cys Arg Met Leu

      441      450      459      468      477      486
    AGT GAT TTG TGT CAA GGA TCC ATG CAT TCA CCA TGT GCC AAT GAC TTA TTT TAC
    ---
    Ser Asp Leu Cys Gln Gly Ser Met His Ser Pro Cys Ala Asn Asp Leu Phe Tyr

      495      504      513      522      531      540
    TCC ATG ACC TGC CAG CAC CAA GAA ATC CAG AAT CCC GAT CAA AAA CAG TCA AGG
    ---
    Ser Met Thr Cys Gln His Gln Glu Ile Gln Asn Pro Asp Gln Lys Gln Ser Arg

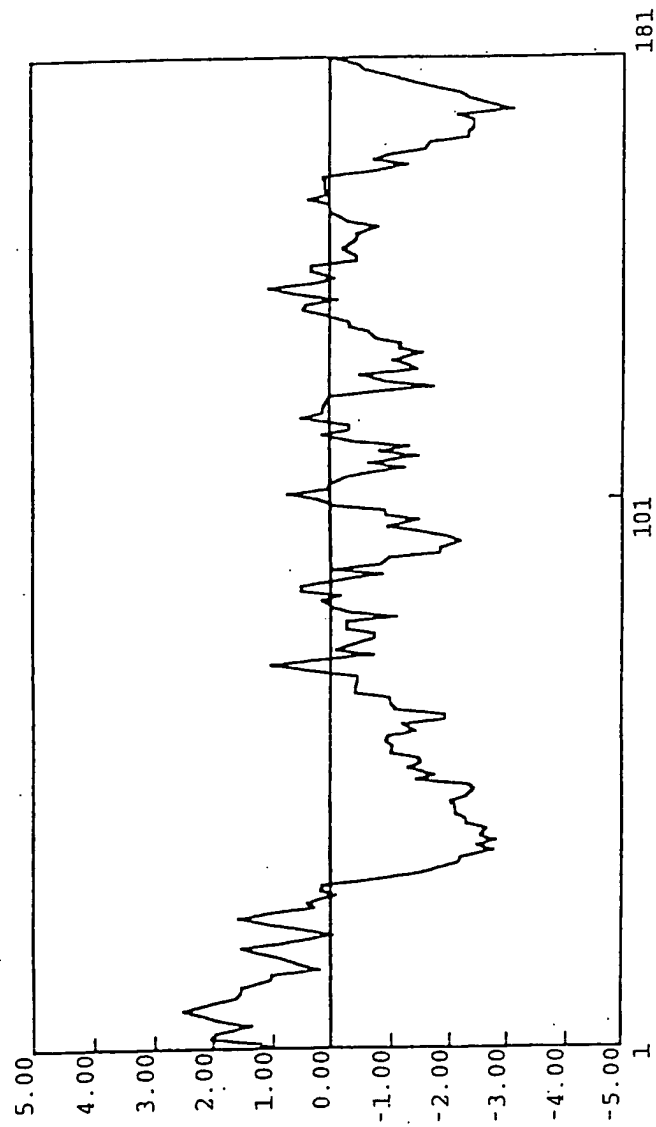
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TAA 3'

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2/9

F i g . 2



## F i g . 3

|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5 | ATG | GAA | ATT | ATT | TCA | TCA | AAA | CTA | TTC | ATT | TTA | TTG | ACT | TTA | GCC | ACT | TCA | AGC | 54  |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Met | Glu | Ile | Ile | Ser | Ser | Lys | Leu | Phe | Ile | Leu | Leu | Thr | Leu | Ala | Thr | Ser | Ser |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | TTG | TTA | ACA | TCA | AAC | ATT | TTT | TGT | GCA | GAT | GAA | TTA | GTG | ATG | TCC | AAT | CTT | CAC | 108 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Leu | Leu | Thr | Ser | Asn | Ile | Phe | Cys | Ala | Asp | Glu | Leu | Val | Met | Ser | Asn | Leu | His |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | AGC | AAA | GAA | AAT | TAT | GAC | AAA | TAT | TCT | GAG | CCT | AGA | GGA | TAC | CCA | AAA | GGG | GAA | 162 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Ser | Lys | Glu | Asn | Tyr | Asp | Lys | Tyr | Ser | Glu | Pro | Arg | Gly | Tyr | Pro | Lys | Gly | Glu |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | AGA | AGC | CTC | AAT | TTT | GAG | GAA | TTA | AAA | GAT | TGG | GGA | CCA | AAA | AAT | GTT | ATT | AAG | 216 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Arg | Ser | Leu | Asn | Phe | Glu | Glu | Leu | Lys | Asp | Trp | Gly | Pro | Lys | Asn | Val | Ile | Lys |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | ATG | AGT | ACA | CCT | GCA | GTC | AAT | AAA | ATG | CCA | CAC | TCC | TTC | GCC | AAC | TTG | CCA | TTG | 270 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Met | Ser | Thr | Pro | Ala | Val | Asn | Lys | Met | Pro | His | Ser | Phe | Ala | Asn | Leu | Pro | Leu |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | AGA | TTT | GGG | AGG | AAC | GTT | CAA | GAA | GAA | AGA | AGT | GCT | GGA | GCA | ACA | GCC | AAC | CTG | 324 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Arg | Phe | Gly | Arg | Asn | Val | Gln | Glu | Glu | Arg | Ser | Ala | Gly | Ala | Thr | Ala | Asn | Leu |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | CCT | CTG | AGA | TCT | GGA | AGA | AAT | ATG | GAG | GTG | AGC | CTC | GTG | AGA | CGT | GTT | CCT | AAC | 378 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Pro | Leu | Arg | Ser | Gly | Arg | Asn | Met | Glu | Val | Ser | Leu | Val | Arg | Arg | Val | Pro | Asn |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | CTG | CCC | CAA | AGG | TTT | GGG | AGA | ACA | ACA | ACA | GCC | AAA | AGT | GTC | TGC | AGG | ATG | CTG | 432 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Leu | Pro | Gln | Arg | Phe | Gly | Arg | Thr | Thr | Thr | Ala | Lys | Ser | Val | Cys | Arg | Met | Leu |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | AGT | GAT | TTG | TGT | CAA | GGA | TCC | ATG | CAT | TCA | CCA | TGT | GCC | AAT | GAC | TTA | TTT | TAC | 486 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Ser | Asp | Leu | Cys | Gln | Gly | Ser | Met | His | Ser | Pro | Cys | Ala | Asn | Asp | Leu | Phe | Tyr |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | TCC | ATG | ACC | TGC | CAG | CAC | CAA | GAA | ATC | CAG | AAT | CCC | GAT | CAA | AAA | CAG | TCA | AGG | 540 |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Ser | Met | Thr | Cys | Gln | His | Gln | Glu | Ile | Gln | Asn | Pro | Asp | Gln | Lys | Gln | Ser | Arg |     |
|   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | AGA | CTG | CTA | TTC | AAG | AAA | ATA | GAT | GAT | GCA | GAA | TTG | AAA | CAA | GAA | AAA | TAA | 3'  |     |
|   | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |     |
|   | Arg | Leu | Leu | Phe | Lys | Lys | Ile | Asp | Asp | Ala | Glu | Leu | Lys | Gln | Glu | Lys | *** |     |     |

## F i g . 4

|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5' | ATG | GAA | ATT | ATT | TCA | TTA | AAA | CGA | TTC | ATT | TTA | TTG | ATG | TTA | GCC | ACT | TCA | AGC | 54  |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Met | Glu | Ile | Ile | Ser | Leu | Lys | Arg | Phe | Ile | Leu | Leu | Met | Leu | Ala | Thr | Ser | Ser |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | TTG | TTA | ACA | TCA | AAC | ATC | TTC | TGC | ACA | GAC | GAA | TCA | AGG | ATG | CCC | AAT | CTT | TAC | 108 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Leu | Leu | Thr | Ser | Asn | Ile | Phe | Cys | Thr | Asp | Glu | Ser | Arg | Met | Pro | Asn | Leu | Tyr |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | AGC | AAA | AAG | AAT | TAT | GAC | AAA | TAT | TCC | GAG | CCT | AGA | GGA | GAT | CTA | GGC | TGG | GAG | 162 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Ser | Lys | Lys | Asn | Tyr | Asp | Lys | Tyr | Ser | Glu | Pro | Arg | Gly | Asp | Leu | Gly | Trp | Glu |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | AAA | GAA | AGA | AGT | CTT | ACT | TTT | GAA | GAA | GTA | AAA | GAT | TGG | GCT | CCA | AAA | ATT | AAG | 216 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Lys | Glu | Arg | Ser | Leu | Thr | Phe | Glu | Glu | Val | Lys | Asp | Trp | Ala | Pro | Lys | Ile | Lys |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | ATG | AAT | AAA | CCT | GTA | GTC | AAC | AAA | ATG | CCA | CCT | TCT | GCA | GCC | AAC | CTG | CCA | CTG | 270 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Met | Asn | Lys | Pro | Val | Val | Asn | Lys | Met | Pro | Pro | Ser | Ala | Ala | Asn | Leu | Pro | Leu |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | AGA | TTT | GGG | AGG | AAC | ATG | GAA | GAA | GAA | AGG | AGC | ACT | AGG | GCG | ATG | GCC | CAC | CTG | 324 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Arg | Phe | Gly | Arg | Asn | Met | Glu | Glu | Glu | Arg | Ser | Thr | Arg | Ala | Met | Ala | His | Leu |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | CCT | CTG | AGA | CTC | GGA | AAA | AAT | AGA | GAG | GAC | AGC | CTC | TCC | AGA | TGG | GTC | CCA | AAT | 378 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Pro | Leu | Arg | Leu | Gly | Lys | Asn | Arg | Glu | Asp | Ser | Leu | Ser | Arg | Trp | Val | Pro | Asn |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | CTG | CCC | CAG | AGG | TTT | GGA | AGA | ACA | ACA | GCC | AAA | AGC | ATT | ACC | AAG | ACC | CTG |     | 432 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Leu | Pro | Gln | Arg | Phe | Gly | Arg | Thr | Thr | Thr | Ala | Lys | Ser | Ile | Thr | Lys | Thr | Leu |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | AGT | AAT | TTG | CTC | CAG | CAG | TCC | ATG | CAT | TCA | CCA | TCT | ACC | AAT | GGG | CTA | CTC | TAC | 486 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Ser | Asn | Leu | Leu | Gln | Gln | Ser | Met | His | Ser | Pro | Ser | Thr | Asn | Gly | Leu | Leu | Tyr |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | TCC | ATG | GCC | TGC | CAG | CCC | CAA | GAA | ATC | CAG | AAT | CCT | GGT | CAA | AAG | AAC | CTA | AGG | 540 |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Ser | Met | Ala | Cys | Gln | Pro | Gln | Glu | Ile | Gln | Asn | Pro | Gly | Gln | Lys | Asn | Leu | Arg |     |
|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|    | AGA | CGG | GGA | TTC | CAG | AAA | ATA | GAT | GAT | GCA | GAA | TTG | AAA | CAA | GAA | AAA | TAA | 3'  |     |
|    | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|    | Arg | Arg | Gly | Phe | Gln | Lys | Ile | Asp | Asp | Ala | Glu | Leu | Lys | Gln | Glu | Lys | *** |     |     |

## F i g . 5

```

      9      18      27      36      45      54
5'  ATG GAA ATT ATT TCA TCA AAG CGA TTC ATT TTA TTG ACT TTA GCA ACT TCA AGC
    ---
    Met Glu Ile Ile Ser Ser Lys Arg Phe Ile Leu Leu Thr Leu Ala Thr Ser Ser

      63      72      81      90      99      108
    TTC TTA ACT TCA AAC ACC CTT TGT TCA GAT GAA TTA ATG ATG CCC CAT TTT CAC
    ---
    Phe Leu Thr Ser Asn Thr Leu Cys Ser Asp Glu Leu Met Met Pro His Phe His

      117      126      135      144      153      162
    AGC AAA GAA GGT TAT GGA AAA TAT TAC CAG CTG AGA GGA ATC CCA AAA GGG GTA
    ---
    Ser Lys Glu Gly Tyr Gly Lys Tyr Tyr Gln Leu Arg Gly Ile Pro Lys Gly Val

      171      180      189      198      207      216
    AAG GAA AGA AGT GTC ACT TTT CAA GAA CTC AAA GAT TGG GGG GCA AAG AAA GAT
    ---
    Lys Glu Arg Ser Val Thr Phe Gln Glu Leu Lys Asp Trp Gly Ala Lys Lys Asp

      225      234      243      252      261      270
    ATT AAG ATG AGT CCA GCC CCT GCC AAC AAA GTG CCC CAC TCA GCA GCC AAC CTT
    ---
    Ile Lys Met Ser Pro Ala Pro Ala Asn Lys Val Pro His Ser Ala Ala Asn Leu

      279      288      297      306      315      324
    CCC CTG AGG TTT GGG AGG AAC ATA GAA GAC AGA AGA ACC CCC AGG GCA CGG GCC
    ---
    Pro Leu Arg Phe Gly Arg Asn Ile Glu Asp Arg Arg Ser Pro Arg Ala Arg Ala

      333      342      351      360      369      378
    AAC ATG GAG GCA GGG ACC ATG AGC CAT TTT CCC AGC CTG CCC CAA AGG TTT GGG
    ---
    Asn Met Glu Ala Gly Thr Met Ser His Phe Pro Ser Leu Pro Gln Arg Phe Gly

      387      396      405      414      423      432
    AGA ACA ACA GCC AGA CGC ATC ACC AAG ACA CTG GCT GGT TTG CCC CAG AAA TCC
    ---
    Arg Thr Thr Ala Arg Arg Ile Thr Lys Thr Leu Ala Gly Leu Pro Gln Lys Ser

      441      450      459      468      477      486
    CTG CAC TCC CTG GCC TCC AGT GAA TCG CTC TAT GCC ATG ACC CGC CAG CAT CAA
    ---
    Leu His Ser Leu Ala Ser Ser Glu Ser Leu Tyr Ala Met Thr Arg Gln His Gln

      495      504      513      522      531      540
    GAA ATT CAG AGT CCT GGT CAA GAG CAA CCT AGG AAA CGG GTG TTC ACG GAA ACA
    ---
    Glu Ile Gln Ser Pro Gly Gln Glu Gln Pro Arg Lys Arg Val Phe Thr Glu Thr

      549      558      567      576      585      594
    GAT GAT GCA GAA AGG AAA CAA GAA AAA ATA GGA AAC CTC CAG CCA GTC CTT CAA
    ---
    Asp Asp Ala Glu Arg Lys Gln Glu Lys Ile Gly Asn Leu Gln Pro Val Leu Gln

      603      612
    GGG GCT ATG AAG CTG TGA 3'
    ---
    Gly Ala Met Lys Leu ***

```

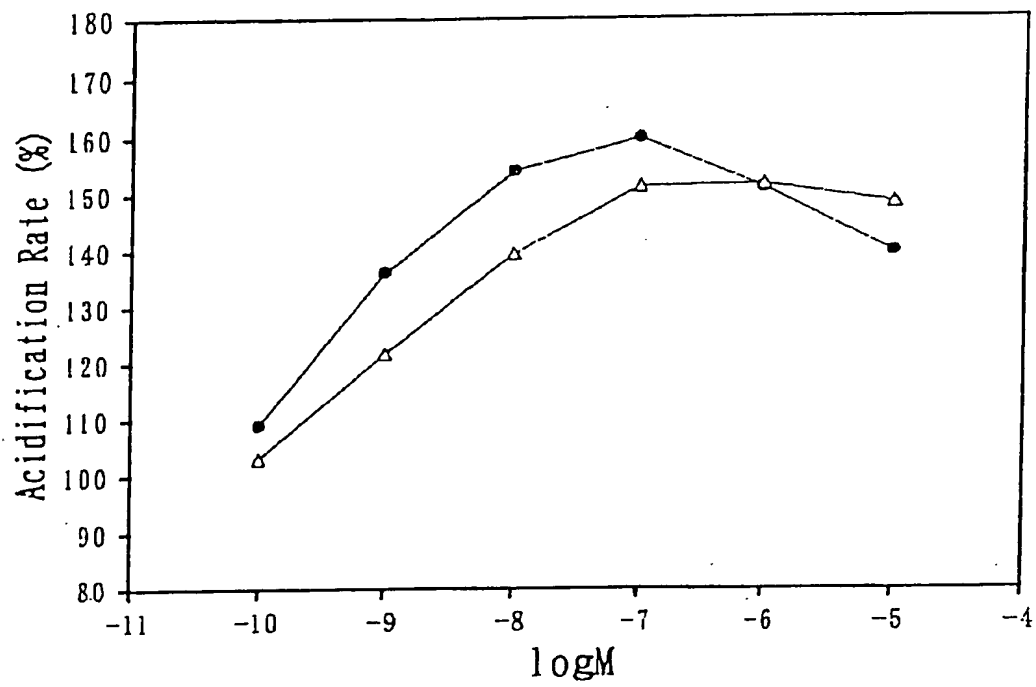
F i g . 6

|           |     |             |            |            |            |            |            |
|-----------|-----|-------------|------------|------------|------------|------------|------------|
| hLPLRF.aa | 1   | MEIISKRFI   | LLTLATSSLL | TSNIFCADEL | VMSNLHSEN  | YDKYSEPRG  | 50         |
| bLPLRF.aa | 1   | MEIISKRFI   | LLTLATSSLL | TSNIFCADEL | RMPNLYSKN  | YDKYSEPRG  | 50         |
| rLPLRF.aa | 1   | MEIISKRFI   | LLTLATSSFL | TSNTLQSDIL | MPHFHSKEG  | YKYVQLRGI  | 50         |
| hLPLRF.aa | 51  | --YPKG      | ER         | SLNFEELKDW | GPKNVTKMST | FAVNKMPHSF | ANLPLRFGRN |
| bLPLRF.aa | 51  | LGWEK       | ER         | SLTFEEKDW  | APK--IKMKN | FAVNKMPHSA | ANLPLRFGRN |
| rLPLRF.aa | 51  | ---PKGVER   | SVTFQELKDW | GAKDVKMSP  | APANKMPHSA | ANLPLRFGRN | 100        |
| hLPLRF.aa | 101 | VQEERSAGAT  | ANLPLRSGRN | MEMSLMRRVP | NLPQRFGRIT | TAKSVCRMLS | 150        |
| bLPLRF.aa | 101 | MEEERSIFRAM | ALPLRLGN   | REDSLSRWVP | NLPQRFGRIT | TAKSITKILS | 150        |
| rLPLRF.aa | 101 | IEDRRSEPRAR | ANM-----   | EAGTMSHFE  | SLPQRFGRIT | ARRITKTIA  | 150        |
| hLPLRF.aa | 151 | DLCQSMHSH   | CANDLEYSMT | COHQEIQNP  | QKQSRRLIFK | KIDDAELKQE | 200        |
| bLPLRF.aa | 151 | NLLQSMHSH   | STNGLLYSMA | COHQEIQNP  | QKNLRRRGFQ | KIDDAELKQE | 200        |
| rLPLRF.aa | 151 | GLPQKSTHSL  | ASSESLYAMT | ROHQEIQSPG | QEDPRRMET  | ETDDAERKQE | 200        |
| hLPLRF.aa | 201 | K*          | -----      | 220        | 230        | 240        | 250        |
| bLPLRF.aa | 201 | K*          | -----      | 220        | 230        | 240        | 250        |
| rLPLRF.aa | 201 | KIGNLQPVLO  | GAMKL*     | -----      | 220        | 240        | 250        |

## F i g . 7

|     |   |     |
|-----|---|-----|
| 1   | TTTAGACTTAGACGAAATGGAAATTATTTTCATTAAAACGATTTCATTTTATTGACTGTG  | 58  |
| 1   | MetGluIleIleSerLeuLysArgPheIleLeuLeuThrVal                    | 14  |
| 59  | GCAACTTCAAGCTTCTTAACATCAAACACCTTCTGTACAGATGAGTTCATGATGCCTCAT  | 118 |
| 15  | AlaThrSerSerPheLeuThrSerAsnThrPheCysThrAspGluPheMetMetProHis  | 34  |
| 119 | TTTCACAGCAAAGAAGGTGACGGAAAATACTCCCAGCTGAGAGGAATCCCCAAAAGGGGAA | 178 |
| 35  | PheHisSerLysGluGlyAspGlyLysTyrSerGlnLeuArgGlyIleProLysGlyGlu  | 54  |
| 179 | AAGGAAAGAAGTGTCAGTTTTCAAGAACTAAAAGATTGGGGGGCAAAGAATGTTATTAAG  | 238 |
| 55  | LysGluArgSerValSerPheGlnGluLeuLysAspTrpGlyAlaLysAsnValIleLys  | 74  |
| 239 | ATGAGTCCAGCCCCTGCCAACAAAGTGCCCCACTCAGCAGCCAACCTGCCCCCTGAGATTT | 298 |
| 75  | MetSerProAlaProAlaAsnLysValProHisSerAlaAlaAsnLeuProLeuArgPhe  | 94  |
| 299 | GGAAGGACCATAGATGAGAAAAGAAGCCCCGCAGCACGGGTCAACATGGAGGCAGGGACC  | 358 |
| 95  | GlyArgThrIleAspGluLysArgSerProAlaAlaArgValAsnMetGluAlaGlyThr  | 114 |
| 359 | AGGAGCCATTTCCCCAGCCTGCCCCAAAGGTTTGGGAGAACAACAGCCAGAAGCCCCAAG  | 418 |
| 115 | ArgSerHisPheProSerLeuProGlnArgPheGlyArgThrThrAlaArgSerProLys  | 134 |
| 419 | ACACCCGCTGATTTGCCACAGAAACCCCTGCACTCACTGGGCTCCAGCGAGTTGCTCTAC  | 478 |
| 135 | ThrProAlaAspLeuProGlnLysProLeuHisSerLeuGlySerSerGluLeuLeuTyr  | 154 |
| 479 | GTCATGATCTGCCAGCACCAAGAAATTCAGAGTCCTGGTGGAAAGCGAACGAGGAGAGGA  | 538 |
| 155 | ValMetIleCysGlnHisGlnGluIleGlnSerProGlyGlyLysArgThrArgArgGly  | 174 |
| 539 | GCGTTTGTGGAAACAGATGATGCAGAAAGGAAACCAGAAAAATAGGAAACCTCGAGCCCCG | 598 |
| 175 | AlaPheValGluThrAspAspAlaGluArgLysProGluLys***                 | 188 |
| 599 | ACTTCAAGAGGCTACGGAGC  | 618 |
| 188 |   | 188 |

F i g . . 8



9/9

F i g . 9

